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functionality
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 NEWS 16  FEB 26   IFICDB/IFIPAT/IFIUDB reloaded with enhancements
 NEWS 17  FEB 26   CAS Registry Number crossover limit increased from
10,000
                   to 300,000 in multiple databases
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 NEWS 19  MAR 16   CASREACT coverage extended
 NEWS 20  MAR 20   MARPAT now updated daily
 NEWS 21  MAR 22   LWPI reloaded
 NEWS 22  MAR 30   RDISCLOSURE reloaded with enhancements
 NEWS 23  APR 02   JICST-EPLUS removed from database clusters and STN
 NEWS 24  APR 30   GENBANK reloaded and enhanced with Genome Project
ID field
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 NEWS 25   APR 30  CHEMCATS enhanced with 1.2 million new records
 NEWS 26   APR 30  CA/CAplus enhanced with 1870-1889 U.S. patent
records
 NEWS 27   APR 30  INPADOC replaced by INPADOCDB on STN
 NEWS 28   MAY 01  New CAS web site launched
 NEWS 29   MAY 08  CA/CAplus Indian patent publication number format
defined
 NEWS 30   MAY 14  RDISCLOSURE on STN Easy enhanced with new search
and display
                   fields
 NEWS 31   MAY 21  BIOSIS reloaded and enhanced with archival data
 NEWS 32   MAY 21  TOXCENTER enhanced with BIOSIS reload
 NEWS 33   MAY 21  CA/CAplus enhanced with additional kind codes for
German
                   patents
 NEWS 34   MAY 22  CA/CAplus enhanced with IPC reclassification in
Japanese
                   patents

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                AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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=> s (casein kinase I) (w) (gamma or g)
L1          45 (CASEIN KINASE I) (W) (GAMMA OR G)

=> s (casein kinase 1) (w) (gamma or g)
L2          20 (CASEIN KINASE 1) (W) (GAMMA OR G)

=> s l1 or l2
L3          63 L1 OR L2

=> s l3 (8A)  (p21 or WAF1 or CIP1)
L4           1 L3 (8A) (P21 OR WAF1 OR CIP1)

=> d l4 bib ab

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
AN   2004:143261  CAPLUS
DN   140:176313
TI   casein kinase I gamma-1 isoforms
     (CSNK1G1s) as modifiers of the p21 pathway and uses thereof in
     diagnosis, therapy and drug screening
IN   Francis-Lang, Helen; Friedman, Lori; Kidd, Thomas; Roche,
Siobhan; Zhang,
     Haiguang
PA   Exelixis, Inc., USA
SO   PCT Int. Appl., 69 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 8
     PATENT NO.          KIND   DATE        APPLICATION NO.
DATE
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PI   WO 2004015071        A2    20040219    WO 2003-US24551
20030806
     WO 2004015071        A3    20040812
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH,
              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR,
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LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
CA 2494236 A1 20040219 CA 2003-2494236 20030806
AU 2003263995 A1 20040225 AU 2003-263995 20030806
EP 1534852 A2 20050601 EP 2003-784937 20030806
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
JP 2005534334 T 20051117 JP 2004-527773 20030806
US 2005251870 A1 20051110 US 2005-523588 20050204
PRAI US 2002-401739P P 20020807
WO 2003-US24551 W 20030806
AB The invention has designed a dominant loss of function screen to identify
genes that interact with the cyclin dependent kinase inhibitor p21 in
Drosophila. Casein kinase I gamma-1 isoform 3 (CSNK1G1) gene was
identified as a modifier of the p21 pathway. Accordingly, vertebrate
orthologs of these modifiers, and preferably the human orthologs, casein
kinase I gamma-1 isoform (CSNK1G1) genes are attractive drag targets for
the treatment of pathologies associated with a defective p21 signaling
pathway, such as cancer. The invention also provides methods for
utilizing these p21 modifier genes and polypeptides to identify candidate
therapeutic agents that can be used in the treatment of disorders associated
with defective p21 function.

=> s l3 (P) (p21 or WAF1 or CIP1)

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L5            4 L3 (P) (P21 OR WAF1 OR CIP1)

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AN   2004:143261  CAPLUS
DN   140:176313
TI   casein kinase I gamma-1 isoforms
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PI   WO 2004015071        A2    20040219    WO 2003-US24551
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CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH,
              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR,
              LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
NZ, OM,
              PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN,
              TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY,
              KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES,
              FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI,
SK, TR,
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BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
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the treatment of disorders associated with defective p21 function.

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reserved on STN DUPLICATE 1
AN 1999268046 EMBASE
TI Angiotensin II stimulates serine phosphorylation of the adaptor protein
Nck: Physical association with the serine/threonine kinases Pak1 and
casein kinase I.
AU Voisin L.; Larose L.; Meloche S.
CS S. Meloche, Centre de Recherche, Centre hospitalier Univ. de Montreal,
Campus Hotel-Dieu, 3850 St. Urbain, Montreal, Que. H2W 1T8, Canada.
meloches@ere.umontreal.ca

SO Biochemical Journal, (1 Jul 1999) Vol. 341, No. 1, pp. 217-223. .
Refs: 44
ISSN: 0264-6021 CODEN: BIJOAK
CY United Kingdom
DT Journal; Article
FS 029 Clinical Biochemistry
LA English
SL English
ED Entered STN: 12 Aug 1999
Last Updated on STN: 12 Aug 1999
AB Nck is a small adaptor protein consisting exclusively of three SH3 domains
and one SH2 domain. Nck is thought to have an important role in cell
signalling by coupling receptor tyrosine kinases, via its SH2 domain, to
downstream SH3-binding effectors. We report here that angiotensin II,
working through the AT1 receptor subtype, stimulates the phosphorylation
of Nck in rat aortic smooth muscle cells. Phosphopeptide mapping analysis
revealed that Nck is phosphorylated on four peptides containing
exclusively phosphoserine in quiescent cells. Treatment with angiotensin
II resulted in increased phosphorylation of these four peptides, without
the appearance of new phosphopeptides. We show that Nck, via its SH3
domains, specifically binds three major phosphoproteins of 95, 82 and 66
kDa both in vitro and in intact cells. Notably, the phosphorylation of
these Nck-binding proteins was found to increase in parallel with that of
Nck on stimulation by angiotensin II. One candidate for the 66 kDa
phosphoprotein is the serine/threonine kinase p21-activated
kinase 1 (Pak1), which was found to form a stable complex with Nck in
aortic smooth muscle cells. We have also identified the γ2 isoform
of casein kinase I as another protein kinase that associates with Nck in
these cells. These findings indicate that Nck is a target of
G-protein-coupled receptors and suggest a role for Pak1 and casein
kinase I-.gamma.2 in downstream signalling or
regulation of the AT1 receptor.

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